



Work Order Bid (ID)

WORK ORDER INFORMATION

Work Order Name: WO/90009MD2647/2

Work Order Type: Weatherization

Audit Name: 90009MD2647Audit

CLIENT INFORMATION

Client ID: 90009MD2647

AGENCY INFORMATION

Agency: Metropolitan Development and Housing Agency

Address: 701 South Sixth Street
Nashville, TN 37206

Agency Phone: (615) 252-8500

Fax: (615) 252-8533

Email Address:

Company Name & License Number: _____

Contractor's Signature: _____

COMMENT

Audit performed on 3/26/12

Lead paint may be present
Historical Review

Auditor: Randy Radford
(615) 335-7428
serviceworks@comcast.net

Measures

Measure 1 Seal Ducts				Components			Inspected		
Comment Duct Sealing							<input type="checkbox"/>		
1) Seal wood frame to sheet metal where gaps exist in return plenum. 2) Cut 1/2" plywood to fit (approx. 3.25" x 8") and seal around existing floor planks at the Living Room register with clear caulk.									
#	Material / Labor	Description / Comment	Units	Estimated		Actual			
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Labor								
10	Miscellaneous Su	Duct Sealing	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

Measure 2 Infiltration Redctn**Components****Inspected****Comment** Infiltration Measures☐

- 1) Air seal plumbing penetrations under kitchen sink with caulk
- 2) DR1. Remove existing W/S and replace with new W/S. Attach new W/S and D/S metal with screws.
- 3) DR2. Install new W/S and D/S. Attach new W/S and D/S metal with screws.
- 4) Install chimney balloon in fireplace in front right Bedroom
- 5) Reglaze windows: WD2, WD5 (x2 windows), WD6, WD7. Remove any loose glazing and replace with new.
- 6) Install 1/2" drywall to cover hole in drywall below plumbing box for washing machine in utility room. Air seal with clear caulk.
- 7) Replace damaged fascia on south side wall (the wall with the crawl space access to the main section of the house)(WL7). Replace with a 1x8 fascia board, approx. 24' long, where fascia is damaged. Paint with white exterior paint.
- 8) Replace 1/2" x 3" soffit boards, approx. 10', where damaged or missing on same south wall as damaged fascia. (WL7)
- 9) Replace 9 pieces of 1x5 wood siding approx. 6.5' long on back of house to the left of back door. Siding is falling off of house and is a major air infiltration. (WL5) Cut to fit. Paint with white exterior paint.
- 10) Replace 1 piece of 1x5 wood siding approx. 34" long on back of house to the right of back door, under WD5. (WL5) Cut to fit. Paint with white exterior paint.
- 11) Replace 19 pieces of 1x5 wood siding approx. 9.5' long on south side of house (WL6). Cut to fit. Paint with white exterior paint.
- 12) Replace 6 pieces of 1x5 wood siding approx. 5' long on south side of house (WL6). Cut to fit. Paint with white exterior paint.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
	Labor				<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	Miscellaneous Su	Infiltration Reduction	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total: **Sub Total:** **Field Notes:**

Measure 3 DWH Tank Insulation**Components****Inspected**

Comment -Keep insulation at least 2 inches away from the gas valve and the burner access panel. Don't install insulation below the burner access panel.
-Use an R-8 or higher water-heater blanket for the unit. Both fiberglass and "bubble wrap" insulation are acceptable blanket materials.

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Natural Gas, 40 gal

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Hot Water Equipm	DHW Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW Tank Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measure Sub Total:							Sub Total:		

Field Notes:**Measure 4 DWH Pipe Insulation****Components****Inspected**

Comment -Insulate the first 6 feet of hot and cold water pipe from the water heater.
-Use pipe wrap with a R-value of at least 2. Cover elbows, unions and other fittings to the same thickness as pipe.

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	DHW Pipe Insulation	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Detail									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measure Sub Total:							Sub Total:		

Field Notes:

Measure 5 Storm Windows

Components WD7

Inspected

Comment WD7: Replace broken storm glass pane on window WD7 (approx. 42 x 30)

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#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Windows	Storm Window	SqFt	19.03	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Storm Window	SqFt	19.03	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Other	Storm Window	Each Window	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

Field Notes:

Measure 6 Floor Ins. R-19**Components** Crawl1**Inspected****Comment** Floor Joist Size: 8☐

NOTE: Crawl space has some R-11 fiberglass batts insulation installed, but it is completely useless and is falling down almost everywhere. Remove all the crawl space insulation and replace with new R-19 insulation.

NOTE: Crawl is filled with debris and personal items. Take approx. 2 hours to remove debris and personal items before installing insulation and put back after work is completed.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Floor Insulation - Fiberglass Faced Batt - R-19	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Miscellaneous Su	Added Misc Cost	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Measure 7 Wall Insulation**Components** WL1,WL2,WL7**Inspected**

Comment WL1, WL2, WL7: Exterior wall type is wood. Interior walls are drywall. Install wall insulation according to the Southeast Field Guide. Get owner's permission if insulating from interior. Holes drilled for insulation must be returned to an appearance as close to the original as possible or satisfactory to the customer, if insulating from the interior.

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#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Wall Insulation - Cellulose, Blown - 2x4 Filled	SqFt	699.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Wall Insulation - Cellulose, Blown - 2x4 Filled	SqFt	699.2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Measure 8 Attic Ins. R-30**Components** A1**Inspected**

Comment Existing insulation: 6" of Rockwool
INSTALL: 6" of Blown Cellulose

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Note: Install dams, baffles to best practices.

REPLACE attic access door: Frame up and install attic access door. An attic access door is installed as a complete unit. A door is inclusive of foam seal, trim, paint(1st quality semigloss color to be chosen by homeowner, caulk, staple R-30 Batt insulation to top of attic access. Refer to Appendix A- Standards for Weatherization Materials and Southeast Field Guide.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Attic Insulation - Cellulose, Blown - R-30	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Attic Insulation - Cellulose, Blown - R-30	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Miscellaneous Su	Added Misc Cost	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Measure 9 CO Monitor is Needed				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	CO monitor	Each	1					
2	Labor	Labor	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

Measure 10 PressureRelief Piping Needed				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Pressure relief piping	Each	1					
2	Labor	Labor	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

Measure 11 Replace Return Filter (20x25x1)**Components****Inspected****Comment** Include 5 filters to leave with client☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
	Labor			1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Heating Equipmen	Replace Return Filter		1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:****Measure 12 Resecure Gas Exhaust Pipe on Water Heater****Components****Inspected****Comment** Water Heater Exhaust Pipe: Resecure gas exhaust pipe to water heater. It is currently pulled away from the water heater and needs to be resecured for health and safety reasons.☐

#	Material / Labor	Description / Comment	Units	Estimated			Actual		
				Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Equipment	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Hour	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:**Sub Total:****Field Notes:**

Measure 13 Smoke Detector is Needed**Components****Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Smoke detector	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total: **Sub Total:** **Field Notes:**

Measure 14 Vapor Barrier Needed
(Basement/Crawlspace)(824 sqft)

Components

Inspected

Comment NOTE: Crawl is filled with debris and personal items. Take approx. 2 hours to remove debris and personal items before installing vapor barrier and put back after work is completed.

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Approx. 824sqft

Must be 6 mil poly. Must be installed 100% of crawlspace with 12" turned up all walls and support piers. Must be securely fastened. Must be cleaned down to earth. Must be secured at all seams. Refer to Attachment A- Standards for Weatherization Materials and Southeast Field Guide.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Health and Safety	Basement / crawlspace vapor barrier	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Labor	SqFt	824	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

Field Notes:

Work Order Grand Total:

Grand Total: